

IN THE CLAIMS:

Please amend claims 1, 20, 46, 48-49, and 58, cancel claims 52-57 and 59-60, and replace the claims as follows:

1. (Currently Amended) An isolated DNA molecule comprising a zebrafish bone morphogenetic protein 4 gene of SEQ. ID NO. 1, wherein the zebrafish bone morphogenetic protein 4 gene encodes encoding a zebrafish bone morphogenetic protein 4 and including a nucleic acid sequence of SEQ. ID NO. 1 and SEQ. ID NO. 9.
2. (Original) A recombinant expression vector comprising a portion of the isolated DNA molecule of claim 1.
3. (Original) The recombinant expression vector of claim 2, wherein the portion of the isolated DNA molecule is operatively linked to a nucleotide sequence encoding a heterologous expression product.
4. (Original) The recombinant expression vector of claim 3, wherein the heterologous expression product is a reporter protein selected from the group consisting of β-galactosidase, luciferase, chloramphenicol acetyl transferase (CAT), green fluorescent protein (GFP), human growth hormone, alkaline phosphatase, β-glucuronidase, and combinations thereof.
5. (Original) A cell comprising the isolated DNA molecule of claim 1.
- 6-19. (Cancelled).
20. (Currently Amended) An isolated tissue-specific transcriptional regulatory DNA fragment comprising a DNA sequence of zebrafish bone morphogenetic protein 4 gene which includes of SEQ. ID NO. 1 and SEQ. ID NO. 9.
21. (Previously Presented) The isolated tissue-specific transcriptional regulatory DNA fragment of claim 20, wherein the DNA sequence is for directing heart-specific expression.

22. (Previously Presented) The isolated tissue-specific transcriptional regulatory DNA fragment of claim 20, wherein the DNA sequence is for directing expression in tissues and organs selected from the group consisting of eyes, otic vesicles, hatching gland, anus, caudal fin and combinations thereof.

23.-45. (Cancelled)

46. (Currently Amended) An isolated DNA molecule comprising a zebrafish bone morphogenetic protein 4 gene, having a transcriptional regulatory DNA fragment of SEQ. ID NO. 1.

47. (Previously Presented) A recombinant expression vector comprising a portion of the isolated DNA molecule of claim 46.

48. (Currently Amended) The recombinant expression vector of claim 47 46, wherein the portion of the isolated DNA molecule is operatively linked to a nucleotide sequence encoding a heterologous expression product.

49. (Currently Amended) The recombinant expression vector of claim 48 49, wherein the heterologous expression product is a reporter protein selected from the group consisting of β-galactosidase, luciferase, chloramphenicol acetyl transferase (CAT), green fluorescent protein (GFP), human growth hormone, alkaline phosphatase, β-glucuronidase, and combinations thereof.

50. (Previously Presented) A cell comprising the isolated DNA molecule of claim 46.

51. (Previously Presented) An isolated tissue-specific transcriptional regulatory DNA fragment comprising a portion of the isolated DNA molecule of claim 46.

52-57. (Cancelled)

58. (Currently Amended) An isolated DNA molecule comprising a zebrafish bone morphogenetic protein 4 gene, having a transcriptional regulatory DNA fragment of SEQ. ID No. 1, wherein the zebrafish bone morphogenetic protein 4 gene encodes encoding

a zebrafish bone morphogenetic protein 4 and including a nucleic acid sequence of SEQ. ID NO. 1, SEQ. ID NO. 9, and SEQ. ID NO. 8.

59-60. (Cancelled)